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PT useful in treatment of e.g. hypercholesterolaemia, diabetes and various digestive diseases and in gene therapy to restore bile acid

[illegible]

PT uptake activity.

PS Claim 34; Page 104-106; 148bp; English.

CC The ileal/renal bile acid cotransporter protein is useful in the
CC treatment of hypercholesterolaemia, diabetes, heart disease, liver
CC disease and various digestive disorders. The cDNA may be used in
CC gene therapy to restore bile acid uptake activity to patients whose
CC ileum has been surgically resected for diseases such as Crohn
CC disease, patients born with congenital defects in the bile
CC transporter, and patients suffering from adult-onset chronic
CC idiopathic bile acid diarrhoea. The DNA and protein may be used in
CC screening methods as modulators of ileal/renal bile acid transport
CC activity.
CC XX

SQ Sequence 348 AA;

Query Match 44.7%; Score 884; DB 16; Length 348;
Best Local Similarity 46.9%; Pred. No. 3.8e-88;
Matches 164; Conservative 74; Mismatches 102; Indels 10; Gaps 4

7 SSACCPANSS--EEELPVGLVEVHGK--LELVFTVVSTVMWGMFSLGCSYERIKLMSHI 62
::||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|:
3 NSSICNPATICEGSGCIAPESNPAALISVWSVTYLITLIALVMTSMCGNVEIHKFLGHL 62
|||||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|:
63 RRPWGIAVGLLCOFLMPFTAYLLAIFSLKPVOAILVMGCCPGGTISNIETWVDGD 122
|||||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|:
63 RRPWGIVVGFLLCOFGIMPLTGFVLVSARGLPVOAVVLIQCCEPGGTASNIIAAVWDGD 122
MDLSISMTCSTGVALLGMMPICIVLYTMSWLQCNULTIPYONIGITVCLTPVAFGVYV 182
|||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|:
123 MDLSISMTCSTLLALGMMPICLFITYKMWDSGITVLPYDSIGTSVALVIPVISGMTV 182
NYRWPQSKILIKIGAVVGGVLLVAVAGVLLANGSWNSDITLTITISFIPLIGHVTGF 242
::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|:
183 NHRWPQAKRIILIKSISINGALIIVLIAVVGILYGSAMTIEPKMIGITYPIAGYGGEF 242
::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|:
243 LLALFTHSSWQRCTISLETGAQNIOCMCTMLQLSFTHAEHLVQMISPLAYGLFQIDGF 302
FLARIAGGPWRKCRRTVALETGIQNTOLCSTIYQLSFSPEDNLVFTPLYSIQIAFAA 302
LIVAAYQTYKRRLKNKGKNGSGCTEVCGRTRKS--TSSRETNAPLEVNEE 350
::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|:
303 IULGAYVAYKK----CHGNNTLEQEKTDNEHERRSSFOETNKKGQPDPBK 348

RESULT 2
AAR77225
ID AAR77225 standard; Protein; 348 AA.

AAR77225;
DT 17-DEC-1995 (first entry)
XX XX
XX Human ileal/renal bile acid cotransporter.
DE
XX
XX Ileal/renal bile acid cotransporter; therapeutic; gene therapy;
KM diagnostic.
KW Homo sapiens.
XX OS
XX MOJ517905-A1.
PN
XX PD 06-JUN-1995.
PD
XX PF 29-DEC-1994; 94MO-US14431.
XX PR 29-DEC-1993; 93US-0176126.
XX PA (UYMA-) UNIV MAKE FOREST.
XX TI Dawson PA;
XX

DR	WPI, 1995-246189/32.
DR	N-PsDB; AAQ91109.
XX	
PT	Hamster and human ileal and bile acid transport DNA and protein
PT	useful in treatment of e.g. hypercholesterolaemia, diabetes and
PT	various digestive diseases, and in gene therapy to restore bile acid
PT	uptake activity.
PS	
XX	
XX	
CC	Claim 34; Page 111-114; 148pp; English.
CC	
CC	The ileal/renal bile acid cotransporter protein is useful in the
CC	treatment of hypercholesterolemia, diabetes, heart disease, liver
CC	disease and various digestive disorders. The cDNA may by used in
CC	gene therapy to restore bile acid uptake activity to patients whose
CC	ileum has been surgically resected for diseases such as Crohn
CC	disease, patients born with congenital defects in the bile
CC	transporter, and patients suffering from adult-onset chronic
CC	idiopathic bile acid diarrhoea. The DNA and protein may be used in
CC	screening methods as modulators of ileal/renal bile acid cotransport
CC	activity.
SQ	
SQ	Sequence 348 AA;
Query Match	43.5%; Score 860.5; DB 16; Length 348;
Best Local Similarity	45.6%; Pred. No. 1.4e-85;
Matches 160; Conservative	68; Mismatches 104; Indels 19; Gaps 4
OY	5 CSSSACPNANSSEBELPGLVEHGNLELFTVSVSTMGMGLMFSGCSVEIRKMSHIR 64
Db	14 CSAGSCVPBESNPFNNI-----LSVVLSTVTITLLALVMFSGCVNEIKKFLGIHKR 64
OY	65 PWGIAVGLICPGMLPPFAYILLAISFSLKPVOAILAVLMGCCPGGTINIFFWDSGMD 124
Db	65 PWGICVGFLCPFGIMPLGLFIILSAFDLPLOAAVVLLIIGCCPGGTANILLAWVDGMD 124
OY	125 LSIISMTTGSTVAALIGMMPCLTYLVYWSNSLQONLTIPYONIGITVTCITPIPAFGVYNY 184
Db	125 LSVSMTTCTSTLLALGMNPCLLIITTKMWBDGSIVIPDNIGTSIALVALVPISICMFVNH 184
OY	185 RWPKOSKIILKIGAVGVGLLVAVAGVLAAGVLAAGKSWSNDITLTLISFPLEIGHVTGLL 244
Db	185 KMPGRAKIILKIGISAGAILVLILAAGVGLIYGOSMIILAPKLMIIGTIFPVAGYSLGPL 244
OY	245 ALFTHQSQQRERTSLTEGAQNIMCTMLDLSFAEHLVOMLSPLAIVGLFQLIDGFLL 304
Db	245 ARIAGLPEYRCRYVAFERGMONTQLCSTTVQLSPDEELNAVTFEPILYSIFQLFAAIF 304
OY	305 VAAVOTYKRRLKNKGKKNSGCTEVCHTRKSTSRETNAPLEVNEGAIIP 355
Db	305 LGFVAVAYKK-----CHKNKKAIEPE----SKENGTEPESFYKAN--GGFOP 345
RESULT 3	
AAB13283	
ID	AAB13283 standard; Protein; 491 AA.
XX	
AC	AAB13283;
DT	12-FEB-2002 (first entry)
XX	
XX	Human transporters and ion channels (TRICH)-10.
XX	
KW	Human; transporter and ion channel; TRICH; akinesia; cystic fibrosis;
KW	diabetes mellitus; Parkinson's disease; myasthenia gravis; dementia;
KW	cardiac disorder; angina; hypertension; myocarditis; hyperglycaemia;
KW	neurological disorder; Alzheimer's disease; cataract; interictally;
KW	Wilson's disease; schizophrenia; Grave's disease; Addison's disease;
KW	Huntington's disease; multiple sclerosis; meningitis; hypotensive;
KW	cardiac; nootropic; neuroprotective; neuroleptic; ophthalmological;
KW	antithyroid; anticonvulsant; goitre; antiinflammatory.
OS	Homo sapiens.
XX	

PH	Key	Location/Qualifiers
FT	Domain	241..261
FT	Domain	/label= Transmembrane_domain
FT	Domain	251...439
FT	Domain	/note= "Sodium, acid and bile transporter domain"
FT	Domain	268..307
FT	Domain	/label= Transmembrane_domain
FT	Domain	325..343
FT	Domain	/label= Transmembrane_domain
FT	Domain	416..435
XX	Domain	/label= Transmembrane_domain
PN		WO200177174-A2.
PD		18-OCT-2001.
PF		06-APR-2001; 2001WO-US11206.
PR		06-APR-2000; 2000US-195595P.
PR		12-APR-2000; 2000US-196872P.
PR		20-APR-2000; 2000US-199020P.
PR		28-APR-2000; 2000US-200552P.
PR		05-MAY-2000; 2000US-202348P.
PR		11-MAY-2000; 2000US-203495P.
PA	(INCY-)	INCYTE GENOMICS INC.
PI	Raddy R,	Thornton M, Borowsky ML, Tang YT, Khan FA, Tribouley CM;
PI	Gandhi AR,	Yeo MG, Sanjanwala MS, Baughn MR, Nguyen DB;
PI	Pojicky JL,	Yue H, Sellhammer JI, Wallis NK, Lal P, Kearney L;
PI	Walsh RT,	Lu DM, Lu Y, Greene BD, Raumann BS, Patterson C;
DR	WPI:	2002-017448/02.
DR	N-Psdb:	AAD22002.
PT	Polypeptides	of human transporters and ion channels, useful for
PT	diagnosing,	treatment or preventing disorders of transport,
PT	neurological,	muscle, immunological and cell proliferative disorders -
PS	Claim 1;	Page 130-131; 150pp; English.
CC	The invention	relates to human transporters and ion channels (TRICH)
CC	and the polynucleotides	encoding them. The composition comprising TRICH
CC	or agonist of TRICH	is useful for treating a disease or condition
CC	associated with decreased	expression of functional TRICH or condition
CC	associated with overexpression	of TRICH respectively. The composition
CC	comprising Ab is useful	for diagnosing a condition of disease associated
CC	with expression of TRICH	in a subject, where the disorders include a
CC	transport disorder such as	akathisia, cystic fibrosis, diabetes mellitus,
CC	Parkinson's disease,	myasthenia gravis, cardiac disorders associated
CC	with transport e.g.,	angina, hypertension, myocarditis, neurological
CC	disorders associated with	transport e.g. Alzheimer's disease, Wilson's
CC	disease, schizophrenia,	cataracts, infertility, hyperglycaemia, Grave's
CC	disease, goitre, Addison's	disease, Huntington's disease, dementia,
CC	multiple sclerosis,	bacterial and viral meningitis. TRICH DNA is useful
CC	for generating a transcript	image of a tissue or cell type, which
CC	represents the global pattern	of gene expression by a particular tissue
CC	or cell type and for	analysing the problems of a tissue or cell type:
CC	TRICH DNA is used in	gene therapy. The present amino acid sequence is
XX	human TRICH10 protein.	
SO	Sequence	491 AA;
Query Match	Best Local Similarity	19.5%; Score 386.5; DB 23; Length 491;
Matches	95; Conservative	56; Mismatches 105; Indels 95; Gaps 7
QY	44	LIMFSLGSGVEIRKLMISHIRPWGIAVGILLCOGLMPTFAVLLATLSFSIKPYQA--IAVL 101
DB	115	IIMLGAGIGCVDDVNHSEAHVRP---VAALLAALPVRRPAAAGRPACRPRIQAGNGGRGILL 171
QY	102	IMGCCGGGTISNIFRTWVDGDMDL----- 125

[illegible]

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FT      L-amino acids"
FT      Msec-difference 222
FT      /label= Unknown
FT      /note="Xaa equals any of the naturally occurring
FT      L-amino acids"
XX      MO200216390-A1.
XX      28-FEB-2002.
XX      17-JAN-2001; 2001MO-US01435.
XX      18-AUG-2000; 2000US-226282P.
XX      (HUMA-) HUMAN GENOME SCI INC.
XX      Moore CA, Komatsuie GA, Baker KP, Barse CE, Sopot DR, Olsen HS,
XX      Moore PA, Wei P, Ebner R, Duan DR, Shi Y, Choi GH, Piscella M,
XX      NI J;
XX      WPI; 2002-304113/34.
XX      An isolated nucleic acid molecule (I) comprising a polynucleotide which
XX      encodes a polypeptide useful in the diagnosis and treatment of
XX      disorders e.g. Immune disorders -
XX      Disclosure; Page 26; 534pp; English.
XX      AAD33692-AA033736 represent cDNAs corresponding to 21 human secreted
XX      protein genes, and AA221191-AAE21235 represent the proteins they encode.
XX      AA21236-AAE21280 represent human secreted protein fragments. The genes,
XX      and their corresponding secreted proteins are useful for preventing,
XX      treating or ameliorating medical conditions, e.g., by protein or gene
XX      therapy. Pathological conditions can be diagnosed by determining the
XX      amount of the new protein in a sample or by determining the presence of
XX      mutations in the new genes. Specific uses are described for each of the
XX      21 genes, based on the tissues in which they are most highly expressed,
XX      and include developing products for the diagnosis or treatment of
XX      immune or autoimmune diseases e.g. AIDS (acquired immune deficiency
XX      syndrome), asthma, anemia and rheumatoid arthritis, breast neoplasia
XX      and breast cancer, neurological diseases e.g. Alzheimer's disease,
XX      Parkinson's disease, Huntington's disease, Tourette syndrome,
XX      meningitis, demyelinating disease, peripheral neuropathies, neoplasia,
XX      trauma, congenital malformations, spinal cord injuries, toxic
XX      neuropathies induced by neurotoxins, peripheral neuropathies, multiple
XX      sclerosis, ischemia and infarction, haemorrhages, schizophrenia, mania,
XX      dementia, depression, panic disorder, learning disabilities, ALS,
XX      altered behaviours e.g. disorders in feeding, sleep patterns, balance
XX      and perception, encephalitis, disorders in cardiovascular, neural/
XX      sensory, reproductive and digestive systems, behavioural disorders and
XX      hyperproliferative disorder. The present sequence represents human
XX      secreted protein fragment referred to in the disclosure of the invention.
XX      Sequence 225 AA;
XX      Query Match 18.4%; Score 363.5; DB 23; Length 225;
XX      Best Local Similarity 35.8%; Pred. No. 2, 7e-31;
XX      Matches 76; Conservative 42; Mismatches 59; Indels 35; Gaps 4
OY      86 LAISFLKPVQAIIVLIMGCCPGGTSTIFTFVVDGDDLSMTTGSTVAALDMPPLCT 145
OY      :|::||::||::||::||::||::||::||::||::||::||::||::||::||::||:
Db      1 LALAFLKDEVAANAVALLCGCCPCGNLSNMSLVGDNMNLSTIMTISTLLATVLMLPCL 60
OY      :|::||::||::||::||::||::||::||::||::||::||::||::||::||:
OY      146 VLTWMS---SLOONLTIPQNIGITVLCLTIPAFVGYYVNNRWPKSKIKILKI----- 196
OY      :|::||::||::||::||::||::||::||::||::||::||::||::||::||:
Db      61 WIYSMAINTPIVO--LLPGVTTLTLCSTLPILGIQVFIRKSRVADVIVKSLMSLL 118
OY      :|::||::||::||::||::||::||::||::||::||::||::||::||::||:
OY      197 -----GAVVGCVLLVAVAGVLAAGSNMSDITLITSPFIPLIGHVGFLLAL 246
OY      :|::||::||::||::||::||::||::||::||::||::||::||::||::||:
Db      119 VTLVLFELMIGTMLGPELLASIPAAYVYA-----IFNFLAAYAGYGAT 164
OY      :|::||::||::||::||::||::||::||::||::||::||::||::||::||:
OY      247 FTHOSWORCCTISLEFGAONIOMCKITMLQLSF 278

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Db		165	LFIHLPNCKRTVCLETGSSQNVQLCTAIIKLAF	196
	RESULT 5			
	ABG00575			
XX	ID	ABG00575	standard; Protein; 454 AA.	
XX	AC	ABG00575;		
XX	DE	13-FEB-2002	(first entry)	
XX	DT	Novel human diagnostic protein #566.		
XX	KW	Human; chromosome mapping; gene mapping; gene therapy; forensic;		
XX	KW	food supplement; medical imaging; diagnostic; genetic disorder.		
XX	OS	Homo sapiens.		
XX	PN	WO200175067-A2.		
XX	PD	11-OCT-2001.		
XX	PI	30-MAR-2001; 2001WO-US08631.		
XX	PR	31-MAR-2000; 2000US-0540217.		
XX	PR	23-AUG-2000; 2000US-0649167.		
XX	PA	(HYSE-) HYSEQ INC.		
XX	PI	Drmnac RT, Liu C, Tang YT;		
XX	DR	WPI, 2001-639362/73.		
XX	N-PSDB;	AAS64762.		
PT	New isolated polynucleotide and encoded polypeptides, useful in			
PT	diagnostics, forensics, gene mapping, identification of mutations			
PT	responsible for genetic disorders or other traits and to assess			
PT	biodiversity -			
XX	Claim 20; SEQ ID No 30934; 103bp; English.			
XX	The invention relates to isolated polynucleotide (I) and			
CC	polypeptide (II) sequences. (I) is useful as hybridisation probes,			
CC	polymerase chain reaction (PCR) primers, oligomers, and for chromosome			
CC	and gene mapping, and in recombinant production of (II). The			
CC	polynucleotides are also used in diagnostics as expressed sequence tags			
CC	for identifying expressed genes. (I) is useful in gene therapy techniques			
CC	to restore normal activity of (II) or to treat disease states involving			
CC	(II). (II) is useful for generating antibodies against it, detecting or			
CC	quantitating a polypeptide in tissue, as molecular weight markers and as			
CC	a food supplement. (II) and its binding partners are useful in medical			
CC	imaging of sites expressing (II). (I) and (II) are useful for treating			
CC	disorders involving aberrant protein expression or biological activity.			
CC	The polypeptide and polynucleotide sequences have applications in			
CC	diagnostics, forensics, gene mapping, identification of mutations			
CC	responsible for genetic disorders or other traits to assess biodiversity			
CC	and to produce other types of data and products dependent on DNA and			
CC	amino acid sequences. ABG00010-ABG30377 represent novel human			
CC	diagnostic amino acid sequences of the invention.			
CC	Note: The sequence data for this patent did not appear in the printed			
CC	specification, but was obtained in electronic format directly from WIPO			
CC	at ftp.wipo.int/pub/published_pct_sequences.			
XX	Sequence	454 AA;		
Qy	Query Match	17.9%; Score 354.5; DB 22; Length 454;		
	Best Local Similarity	50.4%; Pred. No. 6.9e-30;		
Db	Matches	61; Conservative 24; Mismatches 27; Indels 9; Gaps 1		
	5	CSSSACPANSSEBELPVGLEVHGULELVFVVSTVMGLMFSIGCSVEIKRMSHIR	64	
	: :	: : : : :	:	
	CGAGSCVPPESNFNNI-----LSVSLSTVLITLALVWFSGCNVEIKKFLGHTR	309		

QY 65 PWGIVAGLCOFGMLPFTAVLLAIFSLKPVQAIAMVIMGCGPGTISINIFPTWVGMD 124
 DB 310 PWGIVAGLCOFGMLPFTAVLLAIFSLKPVQAIAMVIMGCGPGTISINIFPTWVGMD 369
 QY 125 L 125
 DB 370 L 370

RESULT 6
 AAE21253
 ID AAE21253 standard; Protein; 207 AA.
 AC AAE21253;
 XX 01-JUL-2002 (first entry)
 DT Human gene 8 encoded secreted protein fragment, SEQ ID NO:118.
 XX

Human; secreted protein; immune disorder; anti-allergic; anti-rheumatic;
 rheumatoid arthritis; breast neoplasia; breast cancer; antiarthritic;
 neurological disease; Alzheimer's disease; Parkinson's disease; trauma;
 Tourette syndrome; encephalitis; cytostatic; haemostatic; anaemia; mania;
 antiinflammatory; ophthalmological; dermatological; immunostimulatory;
 immunomodulatory; immunosuppressive; antibacterial; antiparasitic;
 demyelinating disease; peripheral neuropathy; congenital malformation;
 spinal cord injury; peripheral neuropathy; ischaemia; pericarditis;
 multiple sclerosis; infection; haemorrhage; schizophrenia; dementia;
 depression; panic disorder; learning disability; AIDS; feeding disorder;
 hyperproliferative disorder; sleep pattern; cardiovascular disorder;
 reproductive disorder; digestive system disorder; behavioural disorder.

XX Homo sapiens.
 OS
 XX WO200216390-A1.
 XX
 XX 28-FEB-2002.
 PD
 XX 17-JAN-2001; 2001WO-US01435.
 PF
 XX 18-AUG-2000; 2000US-226282P.
 PR
 XX (HUMA-) HUMAN GENOME SCI INC.
 PA
 XX Rosen CA, Komatsoulis GA, Baker KP, Birse CE, Soppet DR, Olsen HS,
 Moore PA, Wei P, Ebner R, Duan DR, Shi Y, Choi GH, Fischella M,
 Ni J;
 XX WPI; 2002-304113/34.
 DR
 XX An isolated nucleic acid molecule (I) comprising a polynucleotide which
 PT encodes a polypeptide useful in the diagnosis and treatment of
 PT disorders e.g. immune disorders -
 XX
 PS Disclosure; Page 26; 534pp; English.

CC AAD33692-AAD33736 represent cDNAs corresponding to 21 human secreted
 CC protein genes, and AAE21191-AAE21235 represent the proteins they encode.
 CC AAE21236-AAE21280 represent human secreted protein fragments. The genes
 CC and their corresponding secreted proteins are useful for preventing,
 CC treating or ameliorating medical conditions, e.g., by protein or gene
 CC therapy. Pathological conditions can be diagnosed by determining the
 CC amount of the new protein in a sample or by determining the presence of
 CC mutations in the new genes. Specific uses are described for each of the
 CC 21 genes, based on the tissues in which they are most highly expressed,
 CC and include developing products for the diagnosis or treatment of
 CC immune or autoimmune diseases e.g. AIDS (acquired immune deficiency
 CC syndrome), asthma, anaemia and rheumatoid arthritis, breast neoplasia
 CC and breast cancer, neurological diseases e.g. Alzheimer's disease,
 CC Parkinson's disease, Huntington's disease, Tourette syndrome,
 CC meningitis, demyelinating disease, peripheral neuropathies, neoplasia,
 CC trauma, congenital malformations, spinal cord injuries, toxic

CC neuropathies induced by neurotoxins, peripheral neuropathies, multiple
 CC sclerosis, ischaemia and infarction, haemorrhages, schizophrenia, mania,
 CC dementia, depression, panic disorder, learning disabilities, AIDS,
 CC altered behaviours e.g. disorders in feeding, sleep patterns, balance
 CC and perception, encephalitis, disorders in cardiovascular, neural/
 CC sensory, reproductive and digestive systems, behavioural disorders and
 CC hyperproliferative disorder. The present sequence represents human
 CC secreted protein fragment referred to in the disclosure of the invention.

XX Sequence 207 AA;
 QY Query Match 16.1%; Score 318.5; DB 23; Length 207;
 DB Best Local Similarity 33.0%; Pred. No. 2.1e-26;
 Matches 70; Conservative 40; Mismatches 67; Indels 35; Gaps 4;

QY 119 VDGMDLSISMTTSGTVAALGMPCLTYLWMSW---SLQNLITPYONIGITVCLTIP 175
 DB 5 VDGMDLSISMTTSGTVAALGMPCLTYLWMSW---SLQNLITPYONIGITVCLTIP 62
 QY 176 VAFGVYVVRMPKSKIIIKT-----GAVGVYLLVAVAVGLAKGS 219
 DB 63 IGLGVFIKYKSRVADYIVKSLVLTVALVLTMTGMLGPPELLASIPPAVYVIA-- 119
 QY 220 WNSDITLITTSIFIPPLIGHVVGFLALFTHOSWORCRITSHETGAONIQCIWQLSPT 279
 DB 120 -----IPWPLAGVAGYGATLFLHPNCKRVCLETGSQNVQLCTALIKLAF 168
 QY 280 AEHLVQMSPLPANGFLQIDGFLIVAAQY 311
 DB 169 PQLGSMYMPFLYALFQSAEAGIFVLYKMY 200

RESULT 7
 ABB91897
 ID ABB91897 standard; Protein; 338 AA.
 AC ABB91897;
 XX
 XX 31-MAY-2002 (first entry)
 DT
 XX Herbicidally active polypeptide SEQ ID NO 1108.
 DE
 XX Herbicidally active polypeptide SEQ ID NO 1108.
 XX
 XX Herbicidal; plant; agriculture; herbicide.
 XX
 XX Arabidopsis thaliana.
 OS
 XX WO200210210-A2.
 PN
 XX 07-FEB-2002.
 PD
 XX 28-AUG-2001; 2001WO-EP09892.
 PF
 XX 28-AUG-2001; 2001WO-EP09892.
 PR
 XX (FARB) BAYER AG.
 PA
 XX Tietjen K, Weidler M;
 PI
 XX WPI; 2002-269010/31.
 DR
 XX Identifying plant target proteins for herbicidally active compounds,
 PT comprising aligning and comparing nucleic acid or amino acid sequences
 PT from plant with nucleic acid or amino acid sequences from non-plant
 PT organisms -
 XX
 PS Claim 5; SEQ ID NO 1108; 261pp + Sequence Listing; English.

CC The invention relates to identifying target proteins
 CC (ABB90790-ABB94016) for herbicidally active compounds, comprising
 CC aligning and comparing nucleic acid or amino acid sequences from plant
 CC with nucleic acid or amino acid sequences from non-plant organisms using
 CC suitable search parameters, where plant sequences having an E-value
 CC greater by a factor of 3 than the E-value of most similar non-plant

CC sequences are selected. The polypeptides or nucleic acids encoding them
CC are useful for identifying modulators. The identified modulators are
CC useful as herbicides.

XX
XX
XX
SQ Sequence 338 AA;

Query Match 14.4%; Score 284; DB 23; Length 338;
Best Local Similarity 25.8%; Pred. No. 2.5e-22;
Matches 80; Conservative 54; Mismatches 120; Indels 56; Gaps 8;

QY 9 SACPAASSEELPVGLEVHGNL-----ELVFTV-----VSTVM 42
DB 15 SCCRITRSVVCAGAAAGSGDLPESTPKELSYEKIELLTLPPLMTWLELDTLGL 74
QY 43 GLMFSLGCSVEIRKLMISHIRPFWGIAGVLLCGFGMPFTAVYLAISFSLKPVQAIAYVI 102
DB 75 GFLLMSMGILTFEDRPRCLRNPMVTGVGFIAQYMKPIGFIAMTLKLSAPVLAAGLIL 134
QY 103 MGCCRCGTISNITFPVDDGMDISMTCTSTVAALGMPDLCTVLTWMSLQONTIY 162
135 VSCCPGQASNVATYISKGNVALSVMTCTSTGALIMPELTLT-----KLIAQLVVP 187
DB 163 QNIGI---TLVCLTIPVAFGVYVYVWPVKOSKIILKIGAVGVLILVA-----VAGV 213
188 DAAGLALSTFQVVLVFTIIGVLNFPKRTSKITIVTPIGLVILTLCASPIQGVADV 247
QY 214 VLAQSWNSDITLLTTSFIPPL-IGHVTGFLALFTHQ--SWQCRITISLETGAONIQM 269
DB 248 LKTOGA-----QLILPVALHLHAAFAIGWISKFSFGESTRTISIECGMSAL 297
QY 270 CITMLQLSFT 279
DB 298 GFLLAQKHFT 307

RESULT 8
AAG22453

ID. AAG22453 standard; Protein; 356 AA.

XX AAG22453;
XX
DT 17-OCT-2000 (first entry)
XX
DE Arabidopsis thaliana protein fragment SEQ ID NO: 25387.
XX
KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence.

XX Arabidopsis thaliana.

PN EP1033405-A2.

XX
PD 06-SEP-2000.

PF 25-FEB-2000; 2000EB-0301439.

XX
XX
PR 25-FEB-1999; 99US-0121825.
PR 05-MAR-1999; 99US-0123180.
PR 09-MAR-1999; 99US-0123548.
PR 23-MAR-1999; 99US-0125788.
PR 25-MAR-1999; 99US-0126264.
PR 29-MAR-1999; 99US-0126785.
PR 01-APR-1999; 99US-0127462.
PR 06-APR-1999; 99US-0128234.
PR 08-APR-1999; 99US-0128714.
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PR 07-OCT-1999; 99US-0158029.
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PR 12-OCT-1999; 99US-0158369.
PR 13-OCT-1999; 99US-0159293.

OS Drosophila melanogaster.
XX WO200171042-A2.
XX
XX 27-SEP-2001.
XX
XX 23-MAR-2001; 2001WO-US09231.
XX
XX 23-MAR-2000; 2000US-191637P.
XX PR 11-JUL-2000; 2000US-0614150.
XX
XX (PEKE) PE CORP NY.
XX
XX Venter JC, Adams M, Li PWD, Myers EW;
XX
XX MPI; 2001-656860/75.
XX DR N-PSDB; ABL14999.
XX
XX New isolated nucleic acid detection reagent for detecting 1000 or more
XX genes from Drosophila and for elucidating cell signalling and cell-cell
XX interactions -
XX
PS Disclosure; SEQ ID NO 39480; 21bp + Sequence Listing; English.
XX
XX The invention relates to an isolated nucleic acid detection reagent
XX capable of detecting 1000 or more genes from Drosophila. The invention is
XX useful in developmental biology and in elucidating cell signalling and
XX cell-cell interactions in higher eukaryotes for the development of
XX insecticides, therapeutics and pharmaceutical drugs. The invention
XX discloses genomic DNA sequences (AB16176-AB130511), expressed DNA
XX sequences (AB101840-AB16175) and the encoded proteins
XX (AB57737-AB57072).
XX
XX The sequence data for this patent did not form part of the printed
XX specification, but was obtained in electronic format directly from WIPO
XX at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 455 AA;
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Best Local Similarity 26.6%; Pred. No. 3.6e-20;
Matches 75; Conservative 57; Mismatches 126; Indels 24; Gaps 7;
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QY 65 PNGIAVGLCOQFGLMFTYLA1-SFSLKPVQAVLVMGCCPGGTISNIFFWVDGM 123
DB 184 PTGPGICGFVWQVGMFLSYALGVFTFPQAPAMQGLGFTGISPSGASNTWSAVLGGNI 243
QY 124 DISISWTSCTVAALGMPLCIYLYTWSLSQO-----NLTPYONIGITLVCLTPVA 177
DB 244 HLSVMTTYSNVAAFAPIPL-----WTTTLGQLIERBAGIKVPYKIASYSSSLVPL 297
QY 178 FGYYVYRRPKSKITLKGAIVGVLLVAVAGV-----LAKSSNSDITLTLTSTI 232
DB 298 LGLVQKRMPOVARVAVRLKPVASARITLITFIVFAIINPFYLFYLSWQ---IVAGNA 353
QY 233 PFLIGHVTGFLALFTHOSMQRCTISLETGAONIMQCTML 274
DB 354 LPLGLITFAFLAKKLHQNADALTAITGIONGIAIFLL 395
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AC ABG64873;
XX
DT 27-AUG-2002 (first entry)
XX
DE Human albumin fusion protein #1548.

XX Albumin fusion protein; therapeutic protein X; human albumin; HA;
XX human serum albumin; HSA; cancer; reproductive disorder;
XX digestive disorder; immune disorder; endocrine disorder;
XX haematopoietic disorder; neural disorder; connective disorder;
XX cytostatic; antifertility; antiinflammatory; antifuse;
XX immunomodulator; anti-HIV; antidiabetic; haemostatic; nootropic;
XX neuroprotective; antiparkinsonian; antimicrobial; neuroleptic;
XX osteopathic; antiarthritic.
XX
OS Homo sapiens.
XX Synthetic.
XX
XX WO200177137-A1.
XX
XX 18-OCT-2001.
XX
XX 12-APR-2001; 2001WO-US11988.
XX
XX 12-APR-2000; 2000US-229358P.
XX PR 25-APR-2000; 2000US-199384P.
XX PR 21-DEC-2000; 2000US-256931P.
XX
XX (HUMA-) HUMAN GENOME SCI INC.
XX
XX Rosen CA, Haseltine WA;
XX
XX MPI; 2002-010886/01.
XX
XX New fusion protein for treating disease e.g. diabetes comprises an
XX albumin fused to a therapeutic protein -
XX
PS Claim 1; Page 1569-1570; 2102pp; English.
XX
XX The present invention relates to albumin fusion proteins comprising a
XX therapeutic protein X and human albumin (HA, also known as human serum
XX albumin, HSA). The proteins are useful for treating a disease or
XX disorder that may be modulated by therapeutic protein X. The albumin
XX extends the shelf-life of protein X, and may increase its biological
XX in vitro/in vivo activity. The protein is useful for treating and
XX diagnosing disorders such as cancer, reproductive disorders, digestive
XX disorders (e.g. Crohn's disease, ulcerative colitis), immune disorders
XX (e.g. acquired immunodeficiency syndrome, AIDS), endocrine disorders
XX (e.g. diabetes), haematopoietic disorders, neural disorders
XX (e.g. Alzheimer's, Parkinson's, Creutzfeldt-Jacob disease,
XX encephalomyelitis, meningitis, schizophrenia), and connective disorders
XX (e.g. osteoporosis, arthritis). ABG63326-ABG65518 represent albumin
XX fusion proteins of the invention.
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Query Match 13.4%; Score 265.5; DB 23; Length 196;
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QY 176 VAFGVYVYRRPKSKITLKI-----GAVVGVVLLVAVAGVLAAGKS 219
DB 63 IGLGVFIRKYSRVADVIVKYSLSMLVTVLVFLMTGMLQPELLASIPAAVYIA--- 119
QY 220 WNSDITLTLTISFPLIGHVTGFLALFTHOSMQRCTISLETGAONIMQCTMLQLSP 278
DB 120 -----IFWLAGVAGVGLATLFLHPNCKRTVCLETGSGNQVQLCTAIIKLAF 167
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QY 106 CPGGTISNIFTFWVDGMDLISMTTCTSVVALGMPICLYLYTWSMLOQNLTPYQNI 165
DB 61 CPGGASVATYISKGNVALSVMTTCTGTAIINTPLT-----KLAGQIVPDAA 113
QY 166 GI---TLVCLTIPVAFGVYVYRMPKOSKIILKIGAVGVLLVVA-----VAGVLA 216
DB 114 GIALSTFQVAVLPITIGVLANEPFKFTSKITITVPLIGVILTLTLCASPIGOVADVLT 173
QY 217 KGSMSDITLTLTISFIPVLI-IGHVTGFLALFTHO---SMQRCRTISLETGANOIMCIT 272
DB 174 QGA-----QILFVALLHAAAFAGIWMISFSGESTSRITISIECMQSSALGFL 223
QY 273 MLOLSFT 279
DB 224 LAQKHFT 230

Search completed: June 9, 2003, 07:08:08
Job time : 44 secs

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